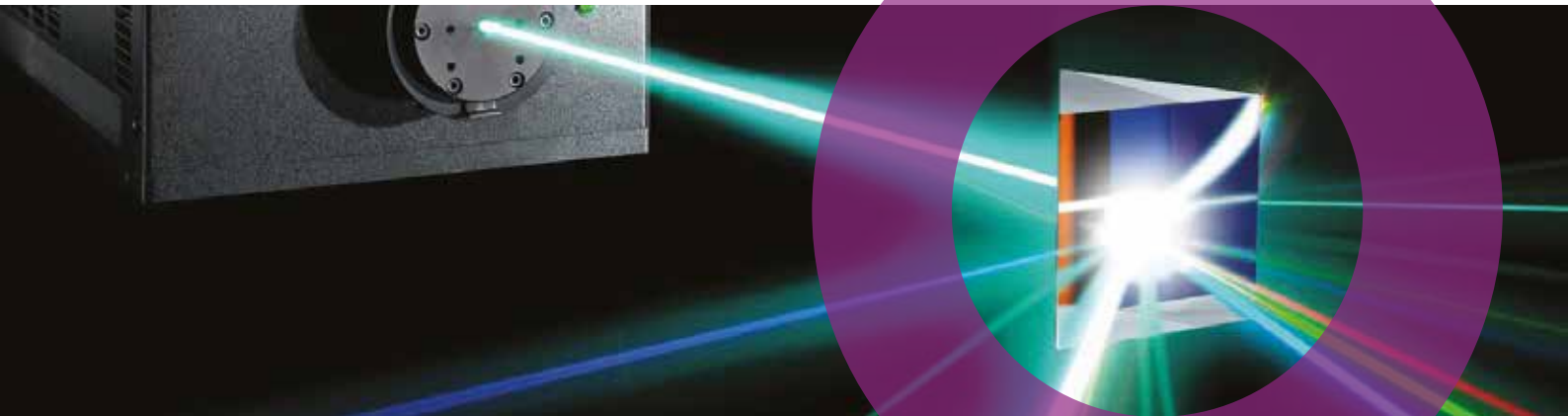


Visualize Range

Alignment products for use with UV, Visible and NIR radiation

The excellent sensitivity of the phosphor based scintillators within our customisable Visualize range allow for reliable alignment of laser beams.



applications

Our Visualize range of laser detection products are acknowledged as a market leader in laser alignment.

Constructed using a phosphor based scintillator screen, in mounted and freestanding form, the Visualize range is used for the alignment of laser beam profiles by converting ultraviolet and infrared light into visible light for laser safety.

Our manufacturing processes allow us to create a large area for ease of beam acquisition, especially useful in maritime applications.

We can custom brand the Visualize range to fit the needs of our customers.

product range

Visualize

give broadband yellow/red emission under stimulation from blue through to NIR sources.

VisualizeIR

provide NIR detection specifically for use with IR LEDs, IR laser diodes and Nd:YAG lasers.

UVisualize

offer excellent contrast and image clarity with long post stimulation persistence.

features

- Laser alignment and detection
- Customisable size & shape profiles
- Non-reflective for added safety
- High sensitivity
- Instant, high performance

Visualize™ laser alignment detection products provide the following:

- Safe, non-reflective encapsulation
- Unique no pre-charge systems for IR detection
- High convenience and safety to cost ratio
- Ideally designed mounting systems to meet users need - card, wand or optical bench mount
- Non-fade during use
- Broad spectrum coverage at an appropriate wavelength - whether protective goggles are being worn or not
- Flexibility in use - transmission or reflective viewing
- High quality service from an ISO90001:2008 registered company
- Custom design services if our standard product does not meet your needs
- Custom size and shapes, including disks and rings



absorption bands

Visualize	400-640nm	800-1700nm	
VisualizeR	790-840nm	870-1070nm	1500-1590nm
UVisualize	250-540nm		



specification

	PHOSPHOR TYPE	EMISSION COLOUR	PEAK EMISSION
Visualize	Band gap	Red	660nm
VisualizeR	Anti stokes	Green, Red, IR	560 or 900nm*
UVisualize	N/A	Yellow	580nm

*excitation dependent

product styles

Credit Card Style	Dimensions	86 x 54mm
	Active area	-4.5cm ²
Disc & Wand	Disc O.D.	25mm, optical mount compatible
	Active area	-3cm ²
Optical Bench Mounted Head	Head O.D.	70mm
	Depth	8mm
	Post dia	12.6mm
	Active area	-12.6cm ²

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